Facsimile No.

International application No.

PCT/JP2005/001488

		101/01	2000/001400	
	CATION OF SUBJECT MATTER 7 C22C5/04, C23C14/34, C25C5/02			
	ternational Patent Classification (IPC) or to both national	classification and IPC		
B. FIELDS SE				
Int.Cl	nentation searched (classification system followed by cla 7 C22C5/04, C23C14/34, C25C5/02	assification symbols)		
Jitsuyo		nt that such documents are included in th tsuyo Shinan Toroku Koho roku Jitsuyo Shinan Koho	1996-2005	
Electronic data l	pase consulted during the international search (name of d	lata base and, where practicable, search	terms used)	
C. DOCUME	NTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.	
X A	JP 2001-20065 A (Hitachi Meta 23 January, 2001 (23.01.01), Claims; Par. Nos. [0001], [00 [0030], [0031], [0038], [0040 [0045] & US 6589311 B1 & US & EP 1066899 A2	19], [0023],	1,3-6 7	
X Y A	JP 2000-178721 A (Mitsubishi Materials Corp.), 27 June, 2000 (27.06.00), Par. Nos. [0002] to [0005] (Family: none)		1,4,6 3 7	
Y	JP 2002-167668 A (Toshiba Co: 11 June, 2002 (11.06.02), Par. Nos. [0006] to [0008] (Family: none)	rp.),	3	
Further documents are listed in the continuation of Box C. See patent family annex.				
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "8		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 09 May, 2005 (09.05.05)		Date of mailing of the international search report 24 May, 2005 (24.05.05)		
Name and mailing address of the ISA/		Authorized officer		

Telephone No.

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C(Continuation: DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages X			PCI/JP2	2005/001488	
Y JP 2002-105631 A (Sumitomo Metal Mining 3 Co., Ltd.), 10 April, 2002 (10.04.02), Claims					
Co., Ltd.), 10 April, 2002 (10.04.02), Claims	Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
	Y	Co., Ltd.), 10 April, 2002 (10.04.02), Claims		3	
				. (

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
(See extra sheet.)
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 and 3-7.
Remark on Protest
No protest accompanied the payment of additional search fees.

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Continuation of Box No.III of continuation of first sheet(2)

In order for a group of inventions claimed in claims to satisfy the requirement of unity of invention, there must be "special technical features" for linking the group of inventions so as to form a single general inventive concept.

In this connection, whether the technical matter common to claims 1 and 2 "Al-containing high-purity Ru powder" can be "special technical features" will be studied. A high-purity Ru raw material powder wherein the content of each of aluminum, etc. is ≤ 1 ppm is described in the prior art reference JP 2000-178721 A (Mitsubishi Materials Corp.) 27 June, 2000 (27.06.00), Par. No. [0005]. Thus, the above common matter is not a novel feature and consequently cannot be "special technical features". Further, as a high-purity Ru raw material powder wherein the content of each of alkali metals and aluminum is ≤ 1 ppm is described in the JP 2000-178721 A, it can be stated that the invention of claim 1 per se lacks novelty.

Consequently, there exist no "special technical features" for linking the group of inventions claimed in claims 1-7 so as to form a single general inventive concept. Therefore, it is apparent that the requirement of unity of invention is not satisfied.

Now, the number of groups of inventions linked with each other so as to form a general inventive concept, claimed in the claims of this international application will be studied.

It appears that there are described at least two inventions grouped into:

- ·Claim 1 and parts of claims 3 to 7 quoting claim 1, and
- ·Claim 2 and parts of claims 3 to 7 quoting claim 2.